

FIG. 1A

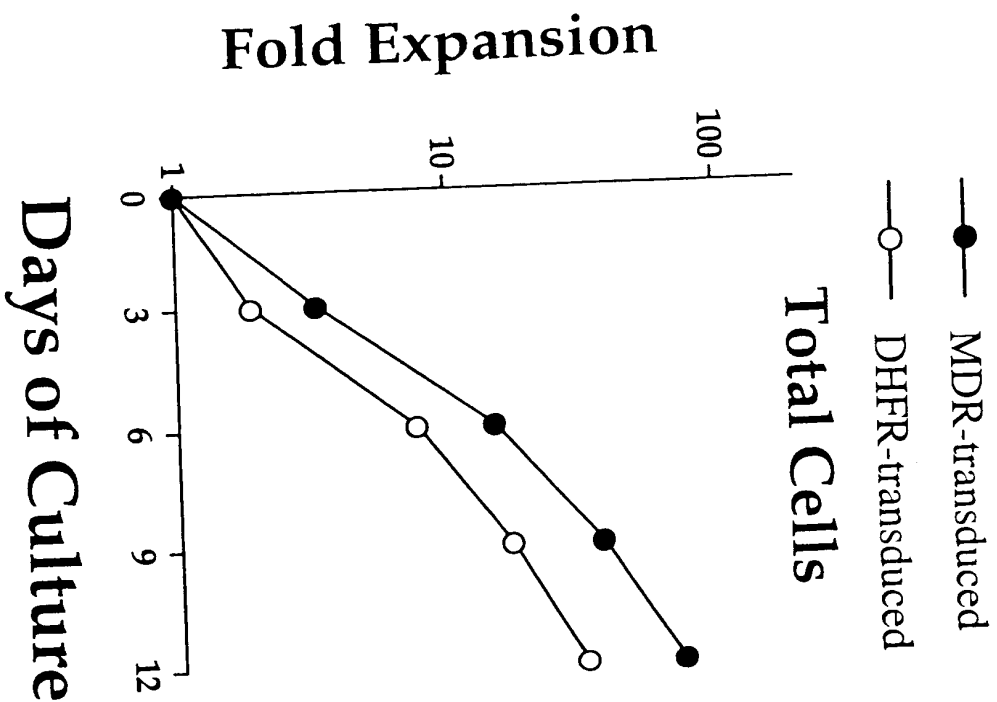


FIG. 1B

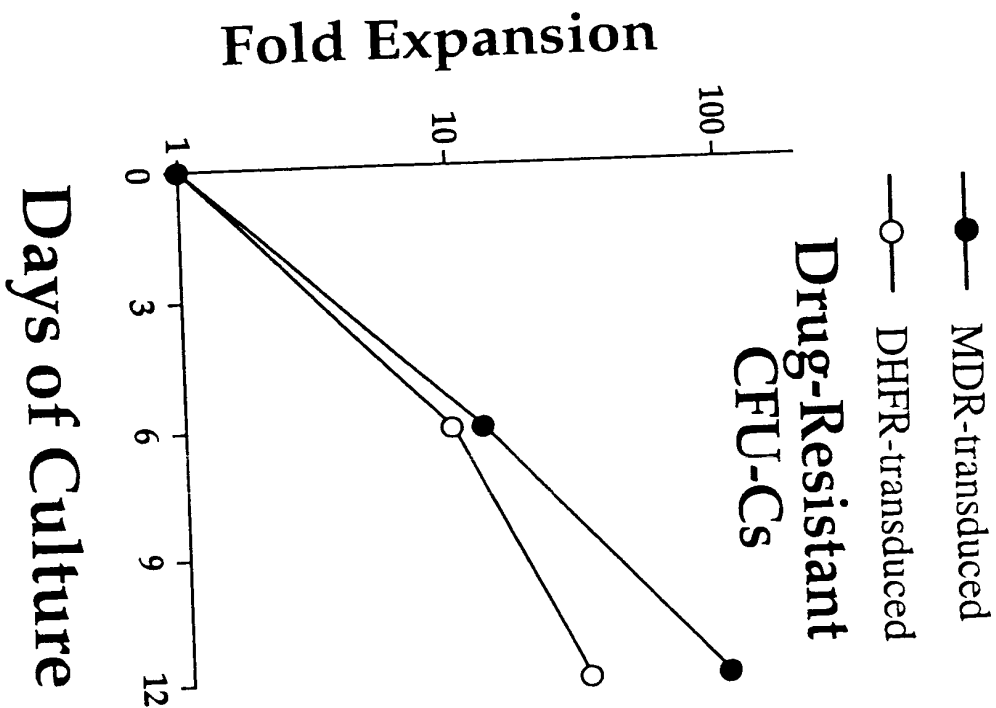


FIG. 2A

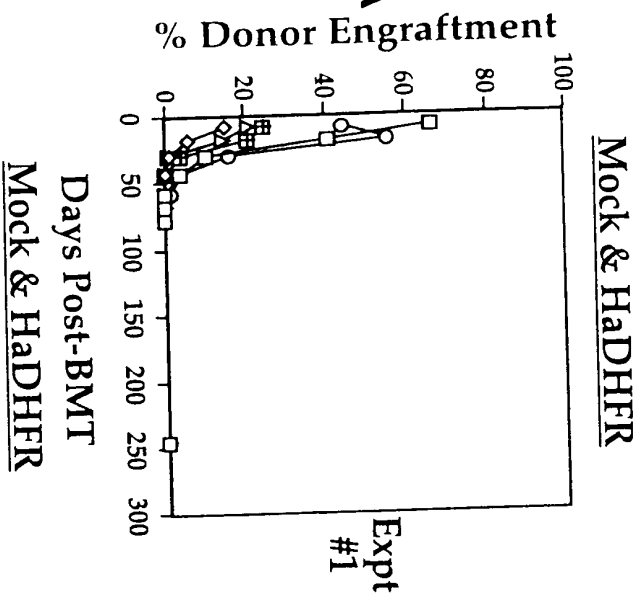


FIG. 2C

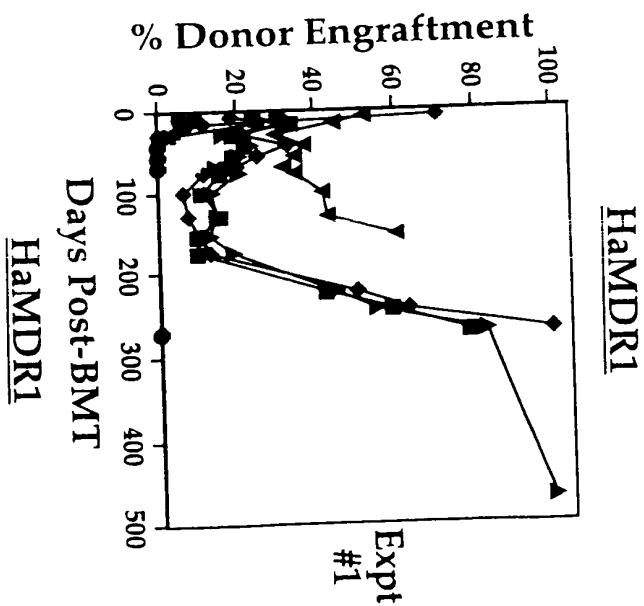


FIG. 2B

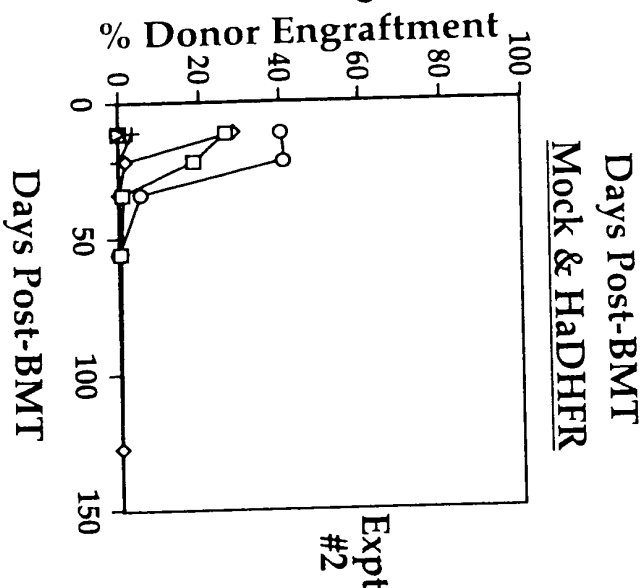


FIG. 2D

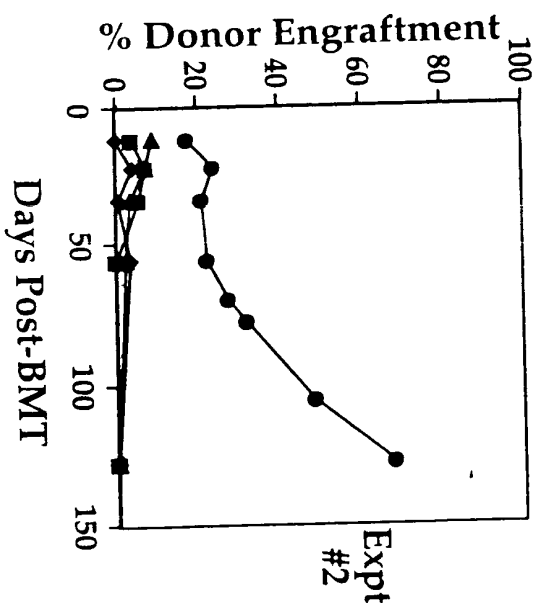


FIG. 3A

FIG. 3B

MDR1 Transduced
Donor

Non-injected
Recipient

Recipients Injected with
MDR1 Expanded Marrow

15 7 11 18 20

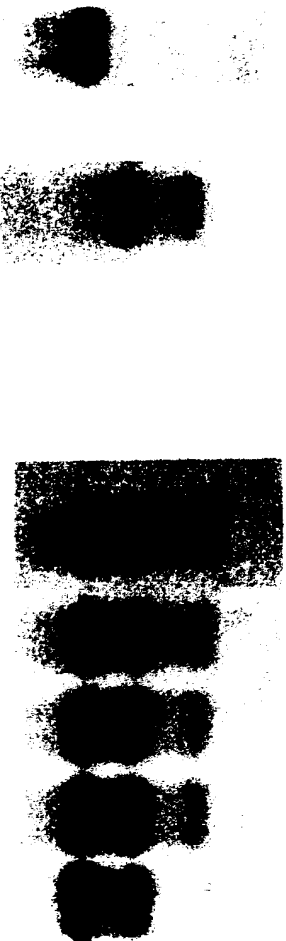
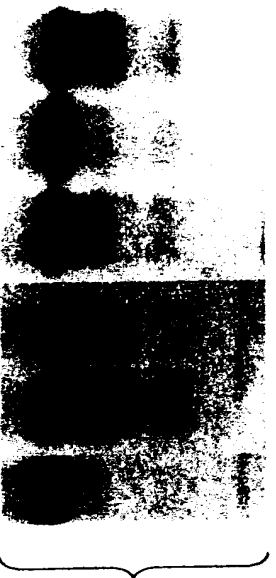


FIG. 3C



Secondary Transplants

MDR 20

FIG. 3D-1

EVENTS

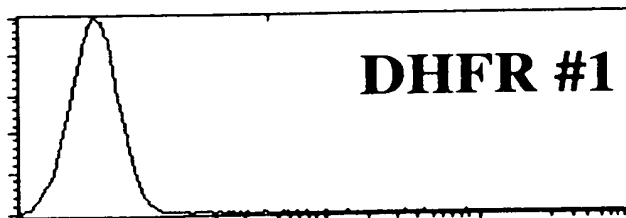


FIG. 3D-2

EVENTS

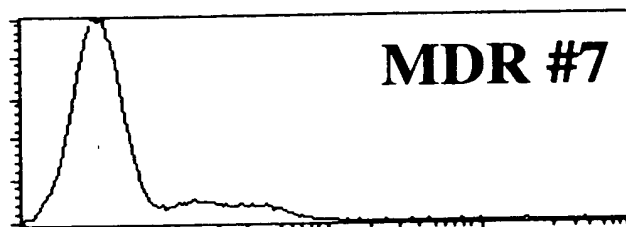


FIG. 3D-3

EVENTS

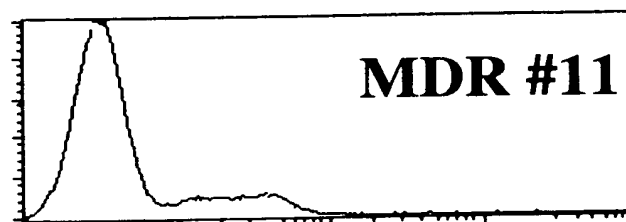


FIG. 3D-4

EVENTS

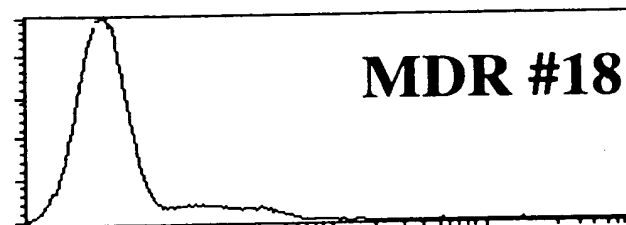
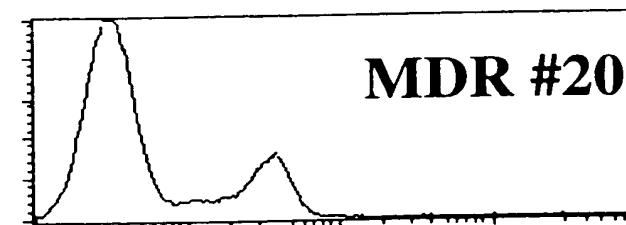


FIG. 3D-5

EVENTS



PgP Fluorescence

Donor cells	C57 vs. HW80	HW80 vs. C57	C57 vs. HW80
Vector:Days Expansion	MDR:12 vs. None:0	DHFR:12 vs. None:0	MDR:12 vs. DHFR:12
Fraction Hind Limbs Vol.	0.005 vs. 0.25	0.005 vs.0.25	0.005 vs. 0.005

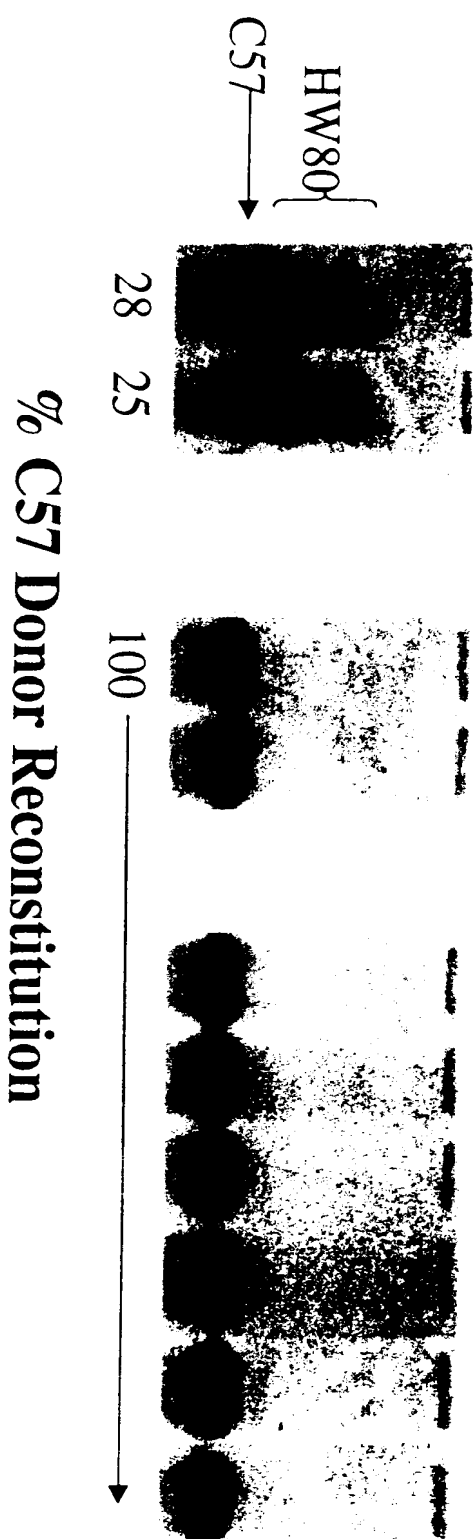


FIG. 5

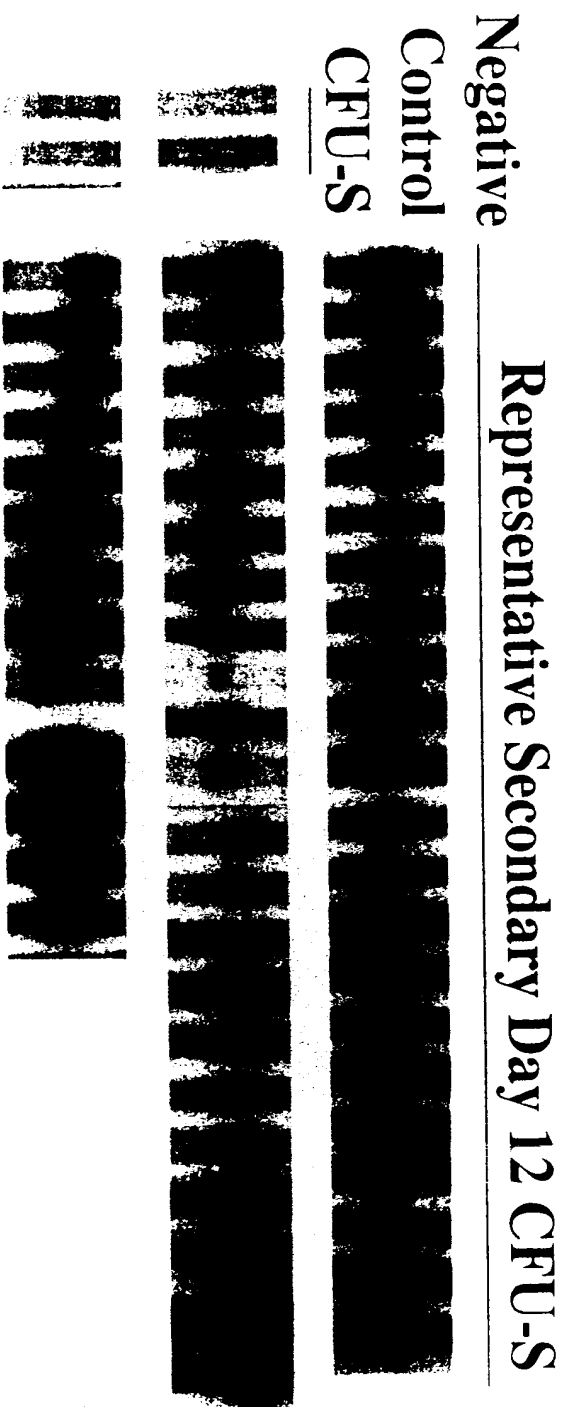


FIG. 6A

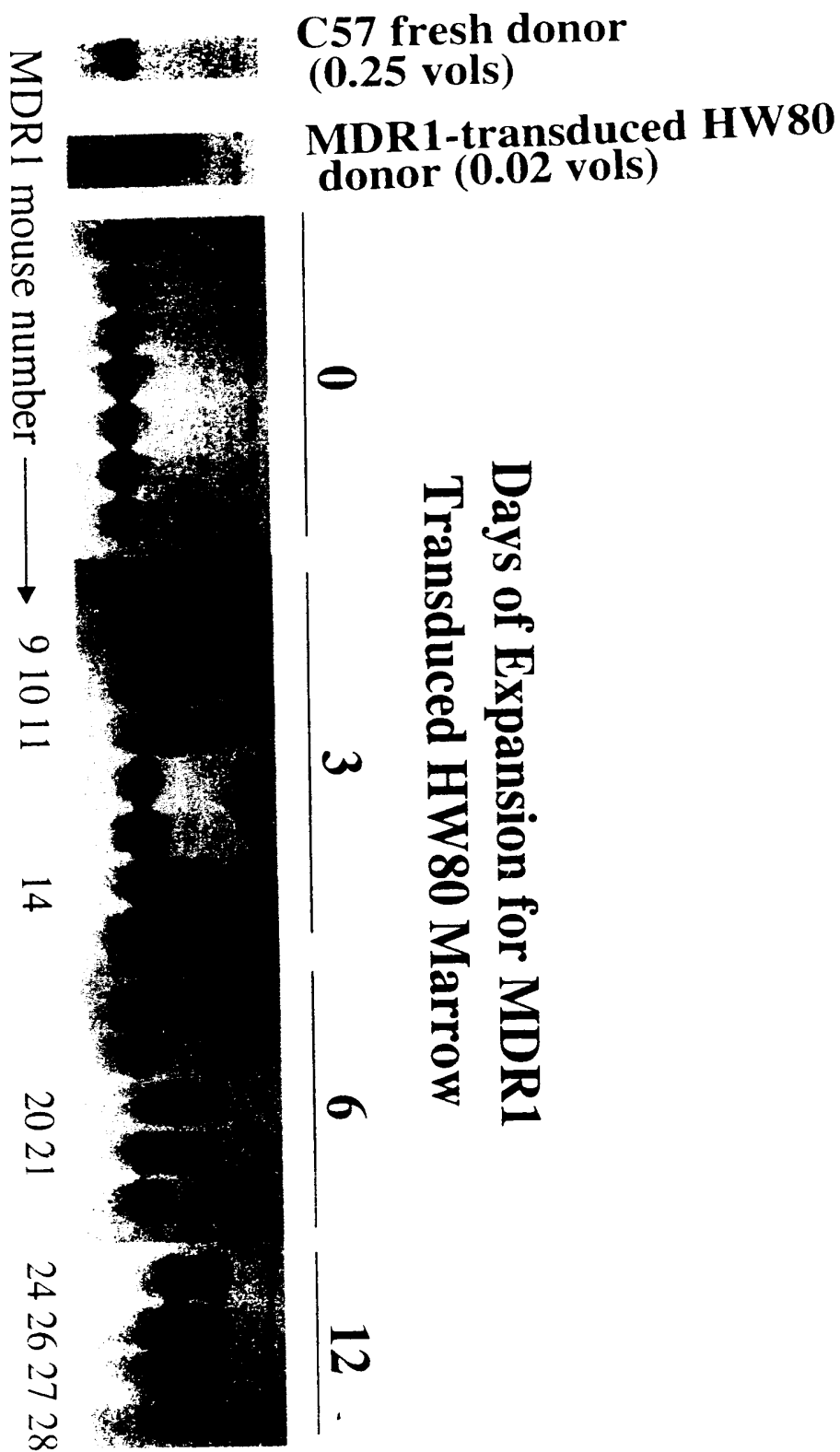
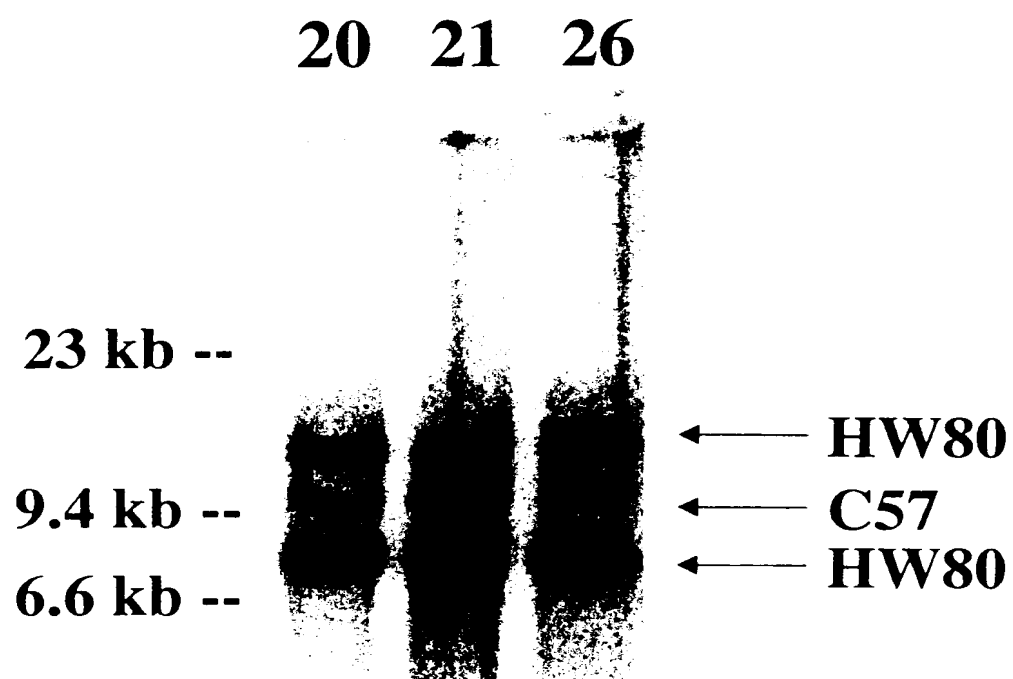
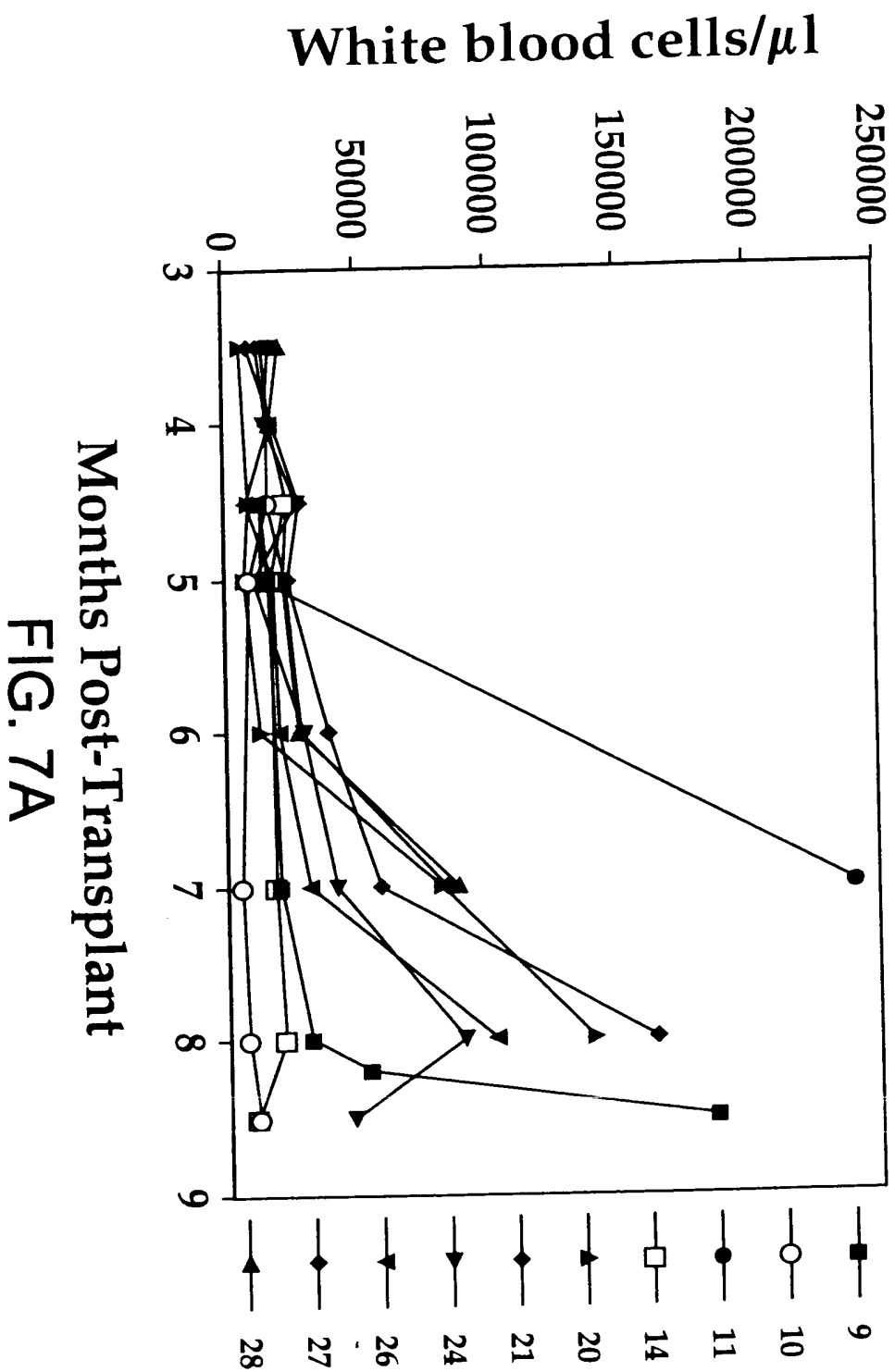


FIG. 6B





Magnification

10x

50x

FIG. 7B-1

Normal

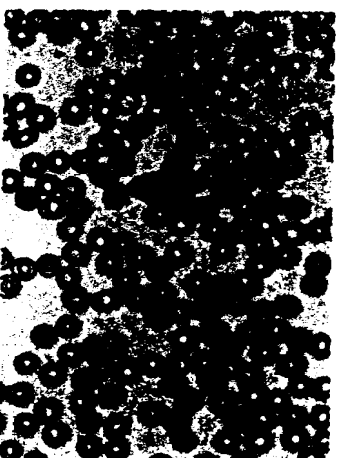
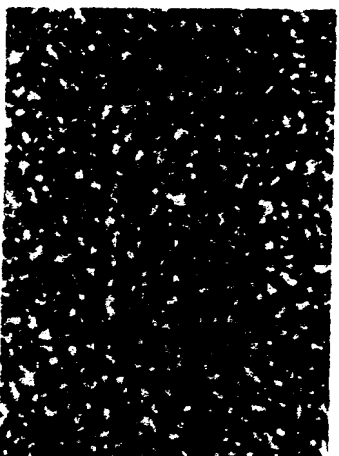


FIG. 7B-2

Normal

FIG. 7B-3

Abnormal

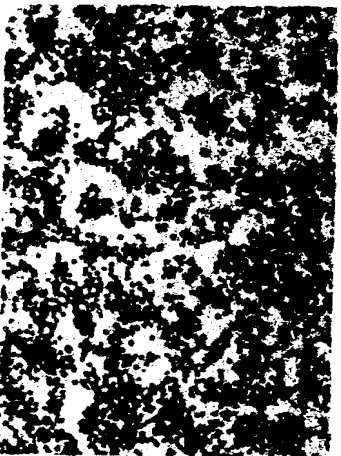


FIG. 7B-4

Abnormal

FIG. 7B-5

Abnormal

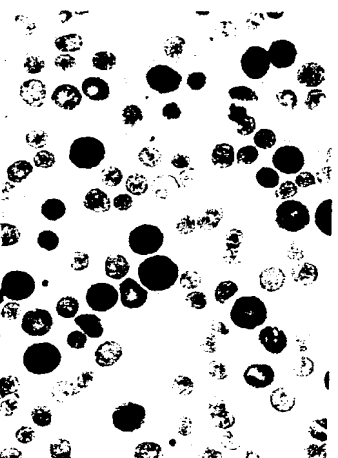


FIG. 7B-6

Abnormal

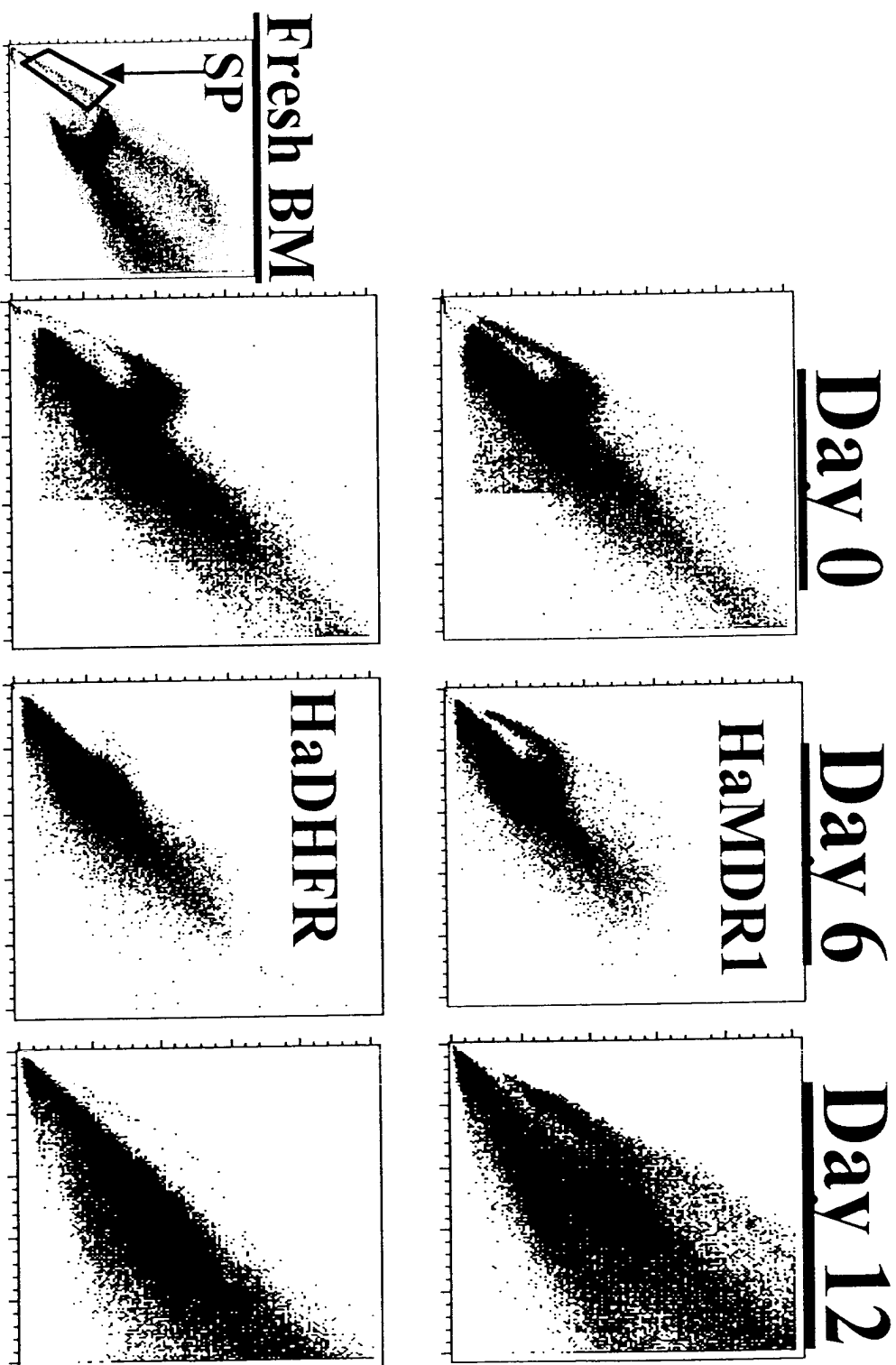


Figure 8

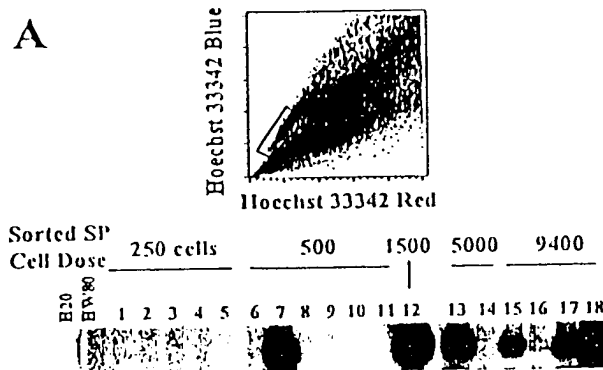


Figure 9A

B

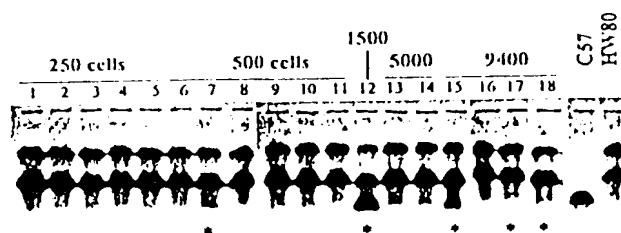


Figure 9B

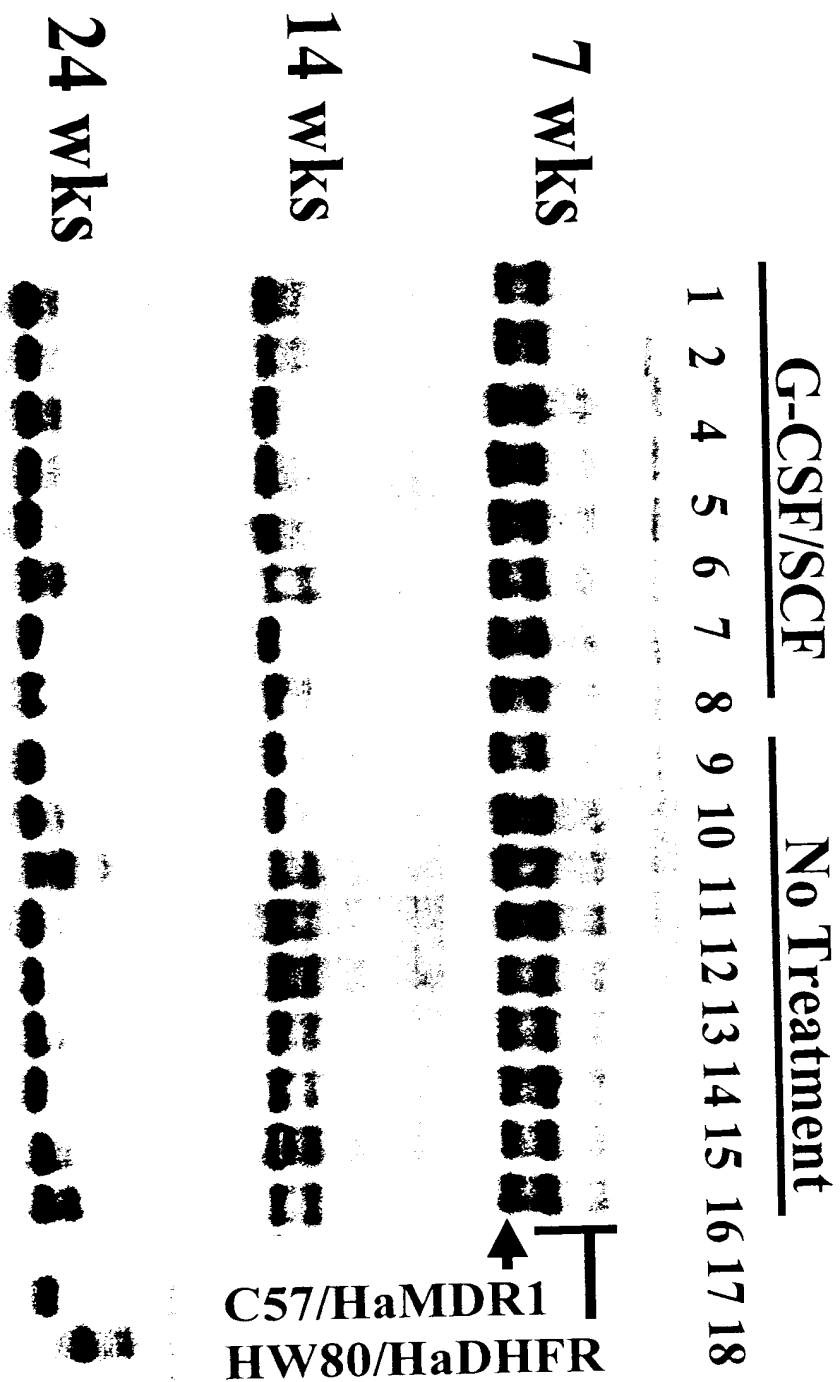


Figure 10A

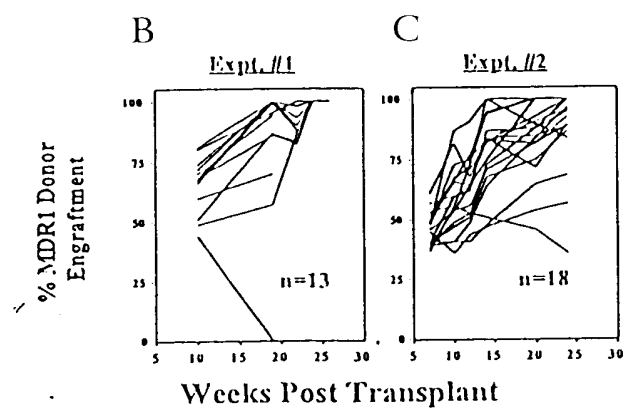
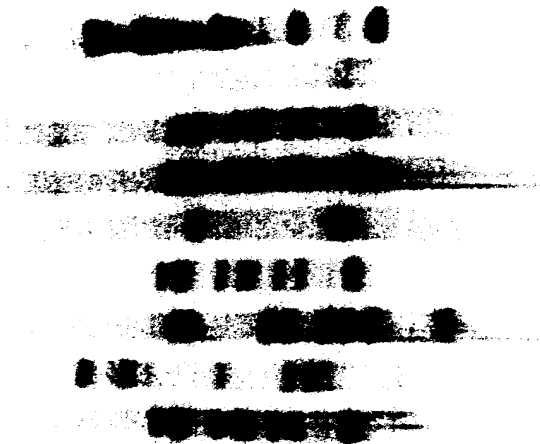
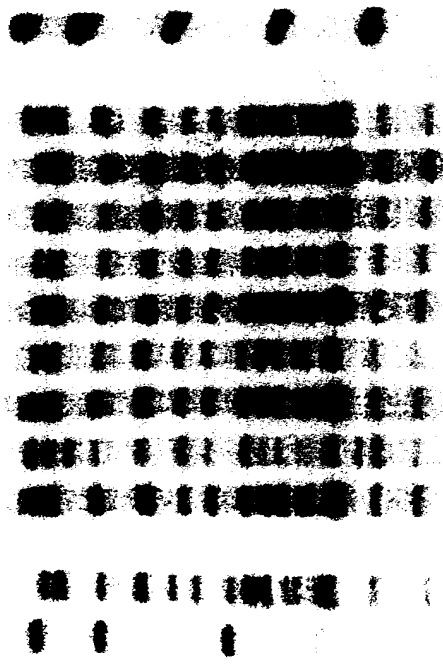


Figure 10B-10C



Ladder
- Control
12.1
12.2
12.3
12.4
12.5
12.6
12.7



Ladder
- Control
10.1
10.2
10.3
10.4
10.5
10.6
10.7
10.8
10.9
10.10
10.11

Figure 11

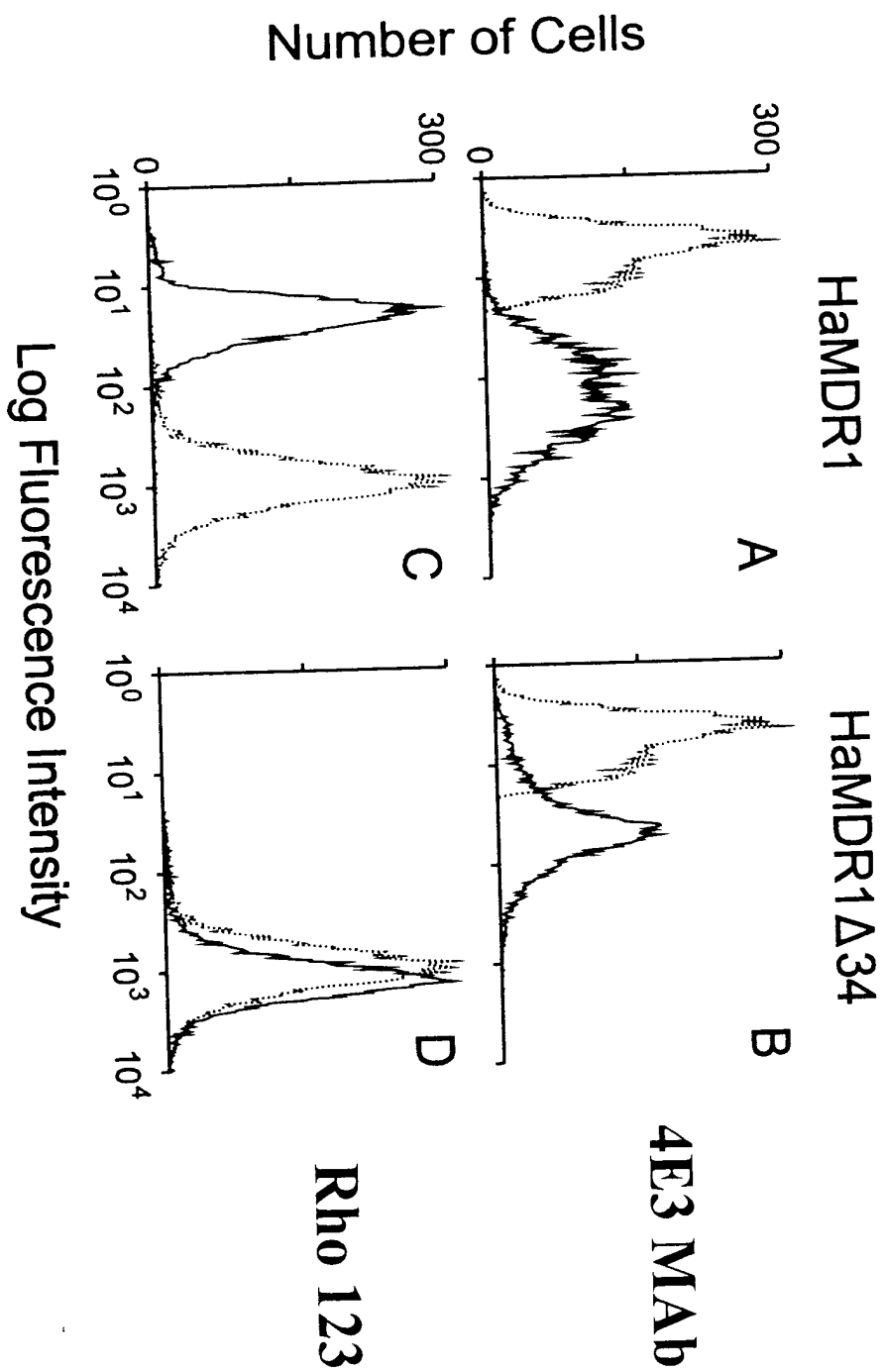


Figure 12A-12D

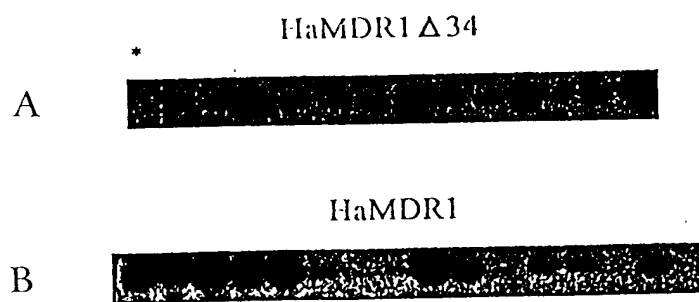


Figure 13A-13B

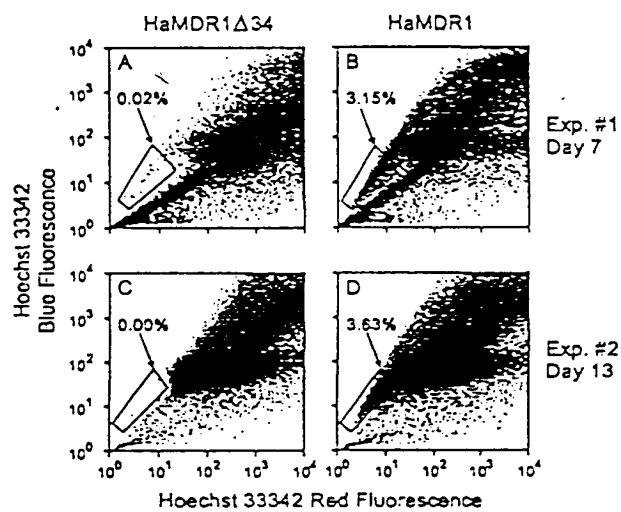


Figure 14A-14D

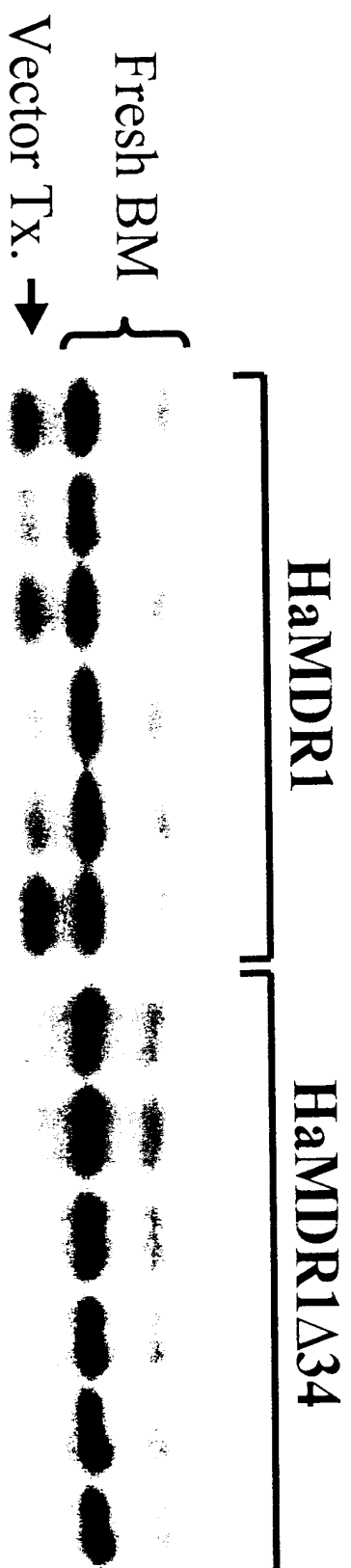


Figure 15A

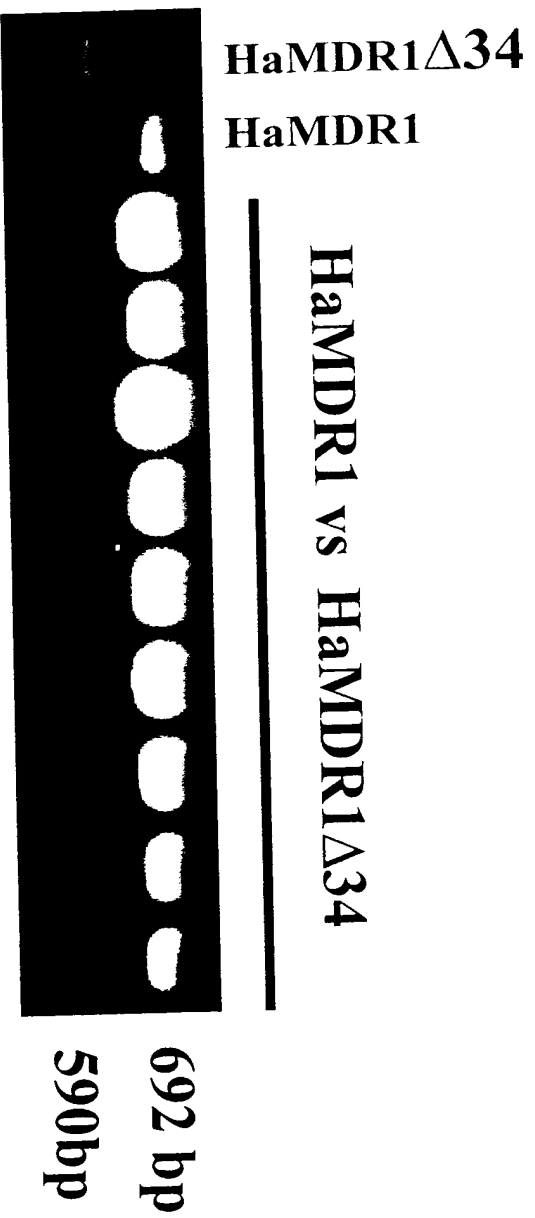


Figure 15B

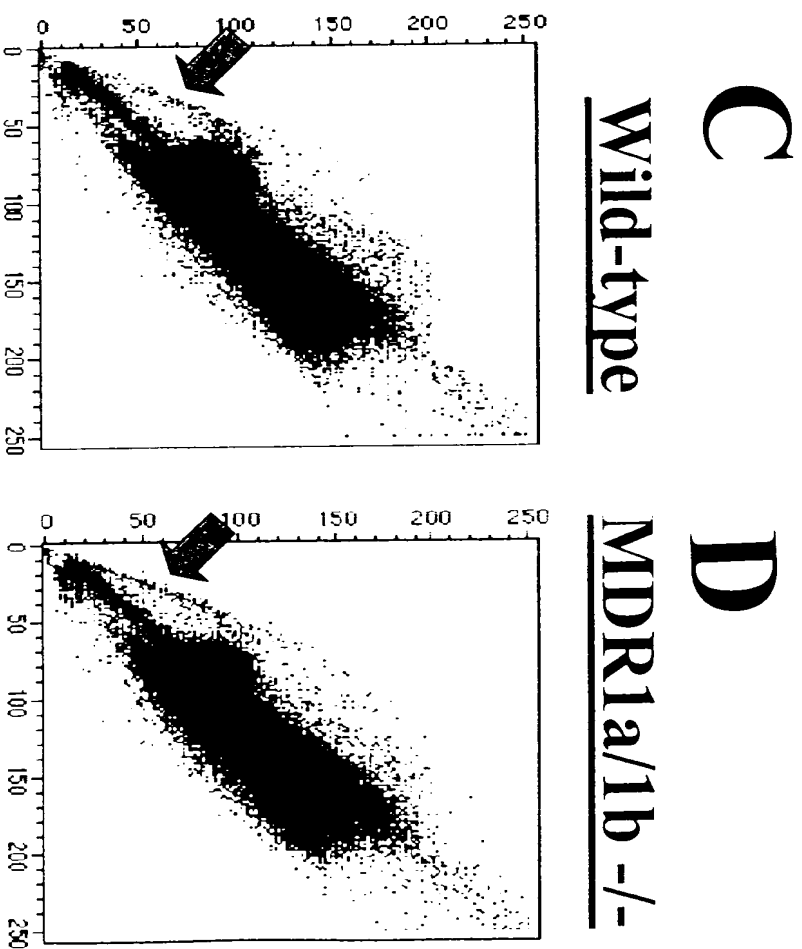
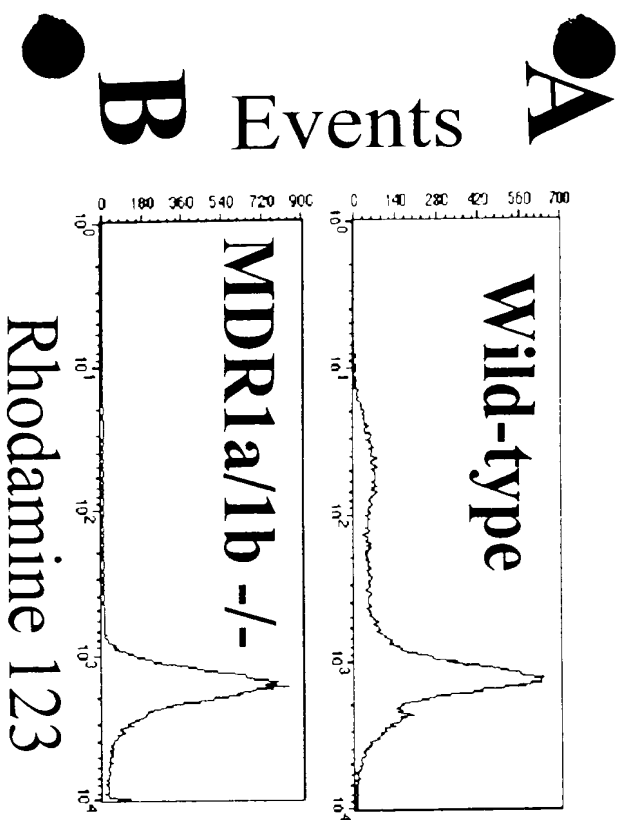


Figure 16A-16D

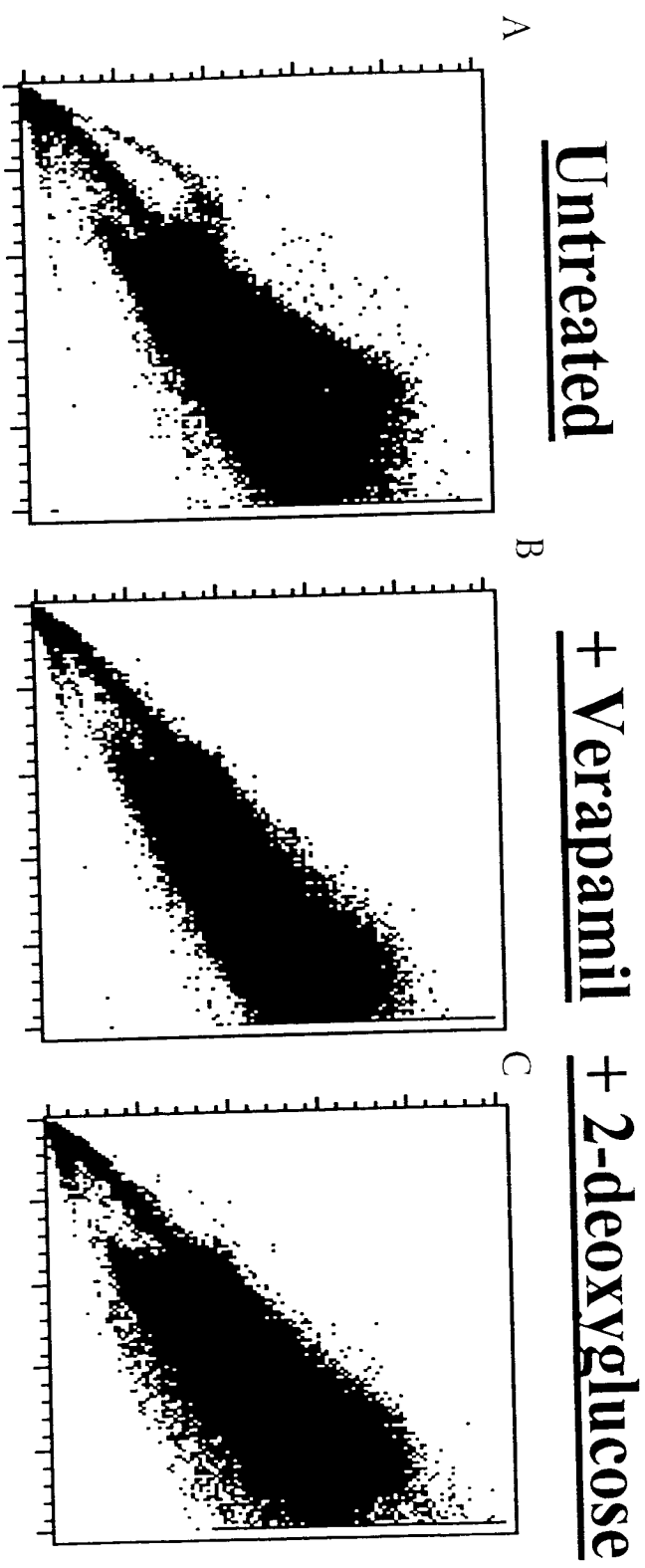


Figure 17

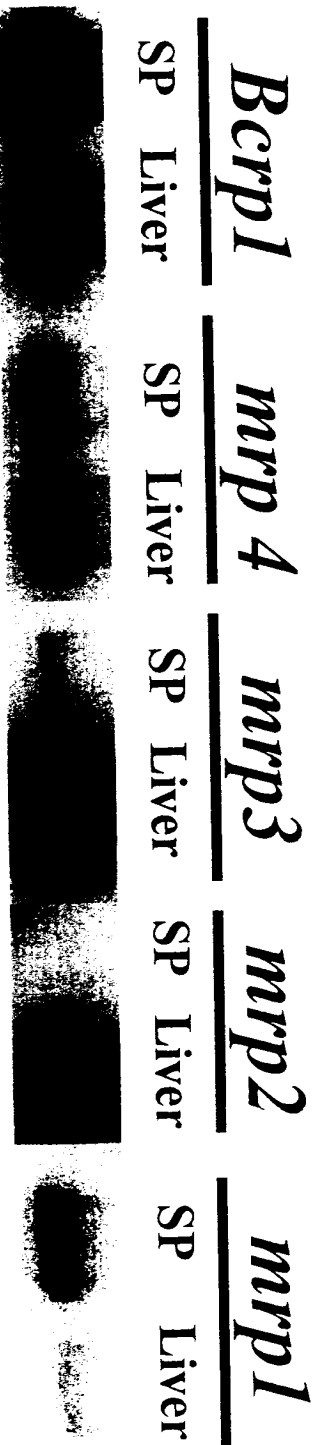


Figure 18

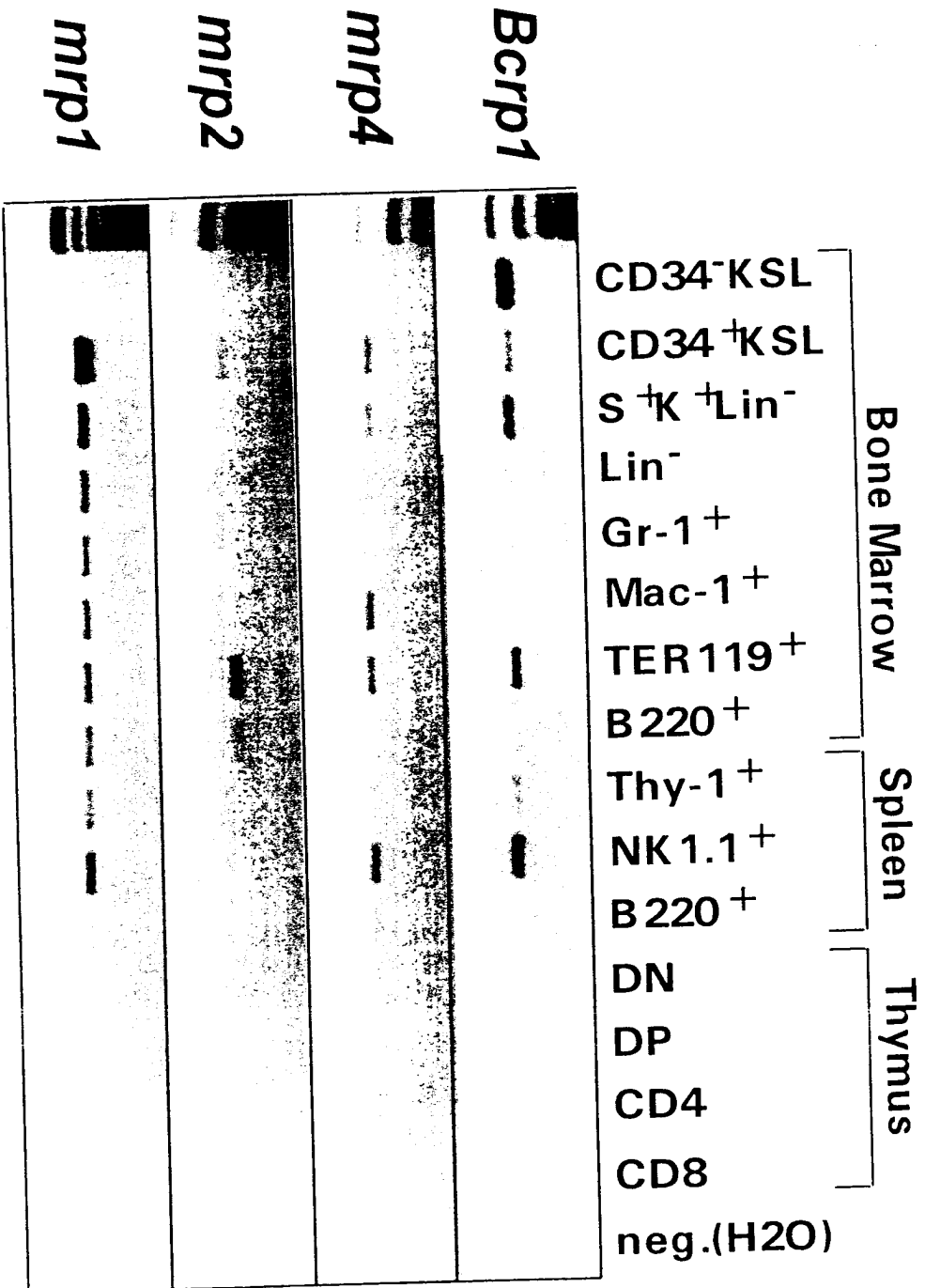


Figure 19

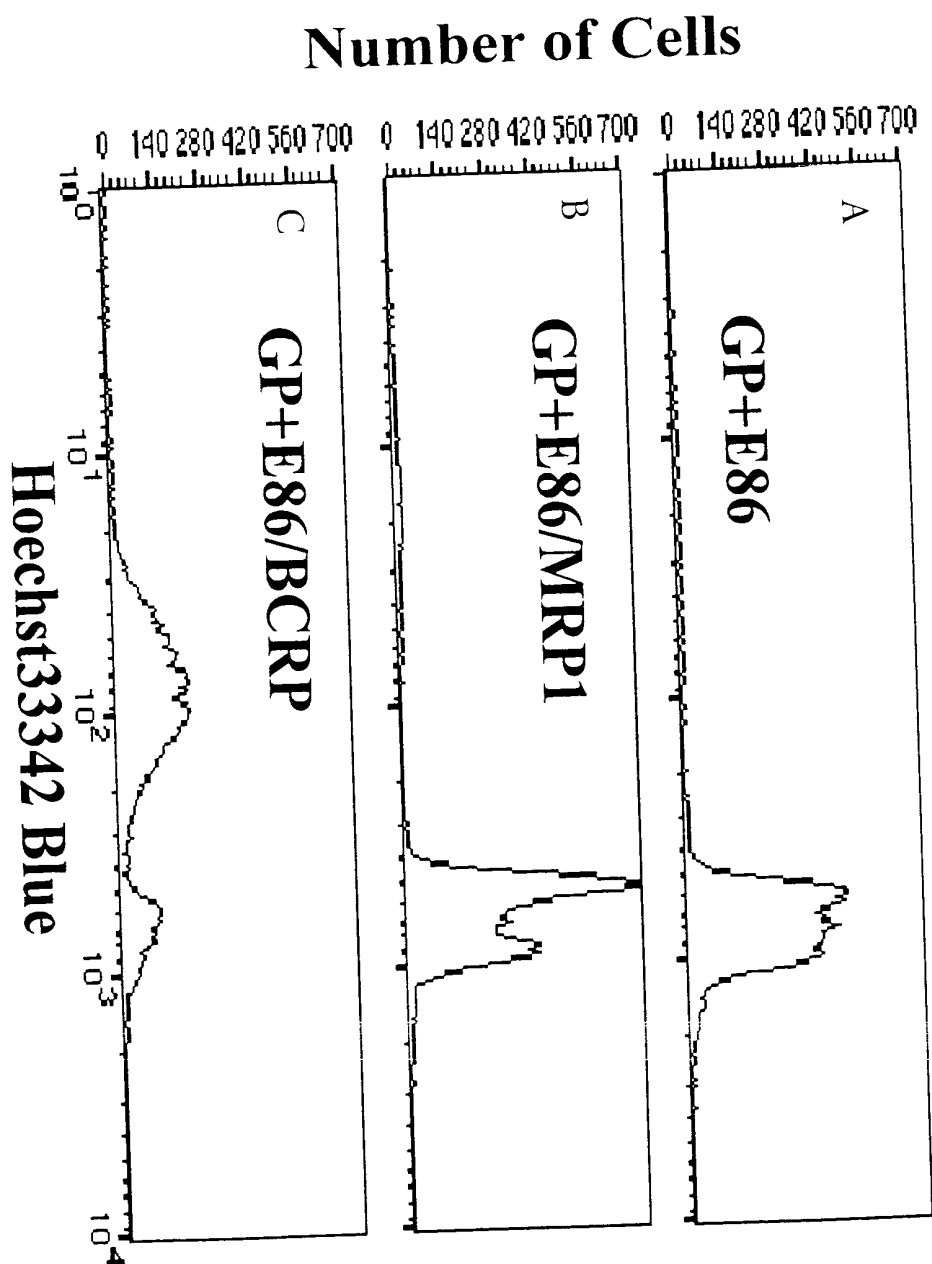


Figure 20

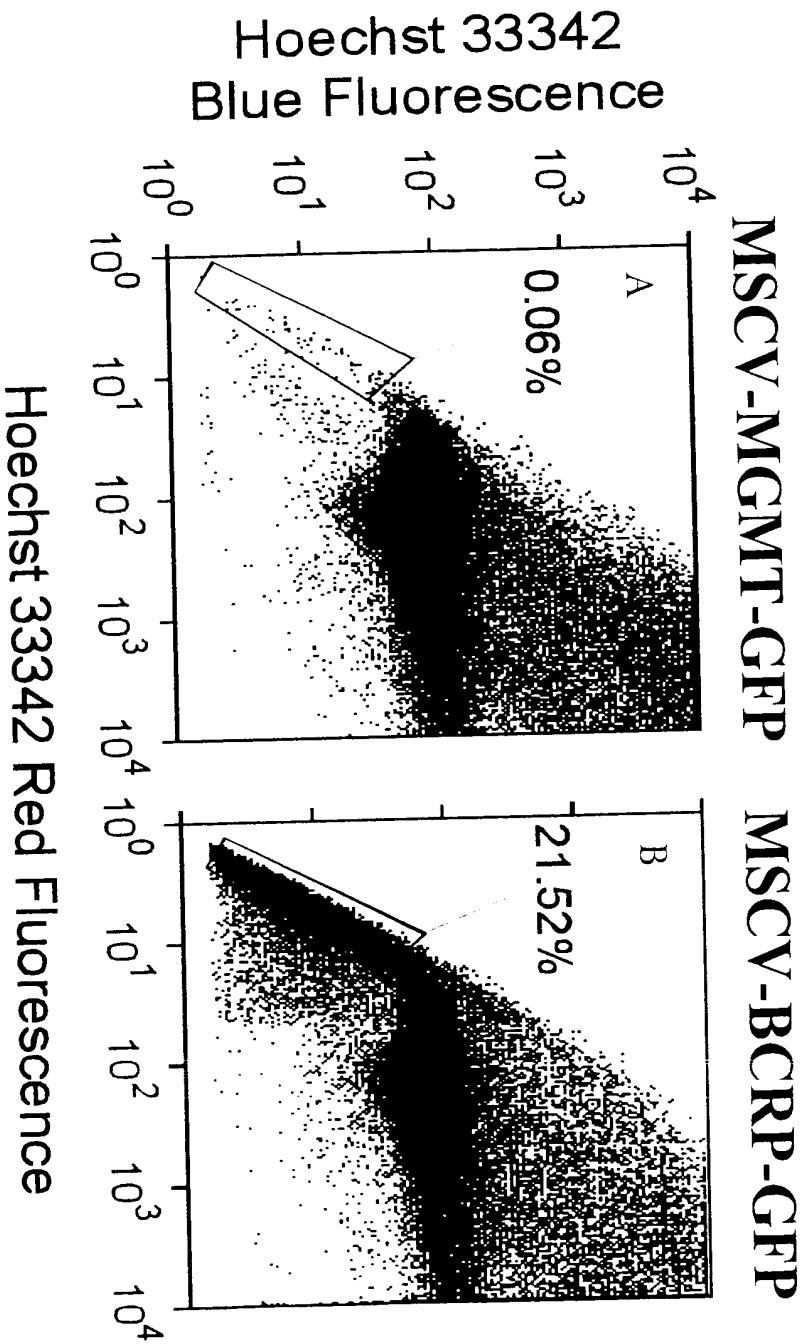
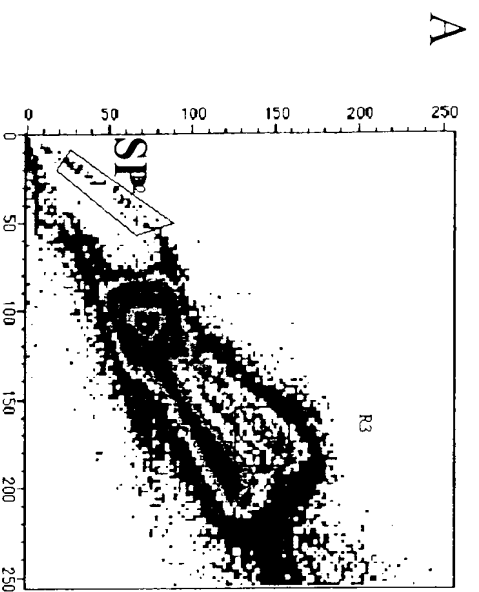


Figure 21

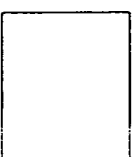
Rhesus monkey BM



B



C

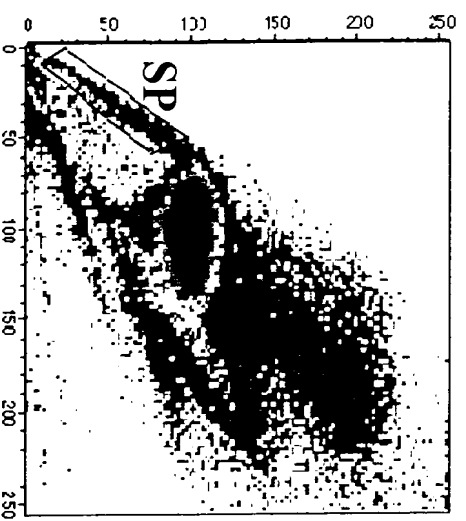


BCRP



β -actin

Mouse myoblast



E



Bcrp1



β 2M

Figure 22

A

BCRP

30 25 30 25 30 25 30 25



B

β-actin

M5, (9;11) 90% blasts M1, (46XX) 83% blasts M1,(5;6)(7;13) 94% blasts M5, (46XX) 91% blasts

25 20 25 20 25 20 25 20



Figure 23